



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित

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सं. 52] नई विल्सो, सनियार, दिसम्बर 27, 1980 (पौष 6, 1902)

No. 52] NEW DELHI, SATURDAY, DECEMBER 27, 1980 (PAUSA 6, 1902)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह भल्लम संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

## [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 27th December, 1980

## CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated the 20th September, 1980 in page 477, column 2 under the headings "PATENTS SEALED" delete 146830.

## APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017.

The dates shown in crescent brackets are the dates claimed under Section of the Act.

20th November 1980

1295/Cal/80. Wavin B. V. Plastics pipe part comprising a self-centering retaining member (September 23, 1980).

1296/Cal/80. Wavin B. V. Thermoplastics tube comprising longitudinally extending channels.

1297/Cal/80. Toyo Engineering Corporation and Mitsui Toatsu Chemicals, Incorporated. Granulating process and apparatus.

21st November 1980

1298/Cal/80. Indian Explosives Limited. Apparatus for cart-ridging slurred explosive

1299/Cal/80. Chugai Denki Kogyo Kabushiki-Kaisha. Composite electrical contact.

1300/Cal/80. Yorhauer Laboratories, Ltd. Biologically compatible tampon contraceptive.

1301/Cal/80. Fomento DE Inversiones Industriales S.A. Method for joining two yarn pieces, and the device for carrying out the method.

1302/Cal/80. Biomass Energy Systems, Incorporated. Wood burning system and method. (March 19, 1980).

1303/Cal/80. Metallgesellschaft AG. and Vocst Alpine AG. Process of drying and calcining bulk materials.

1304/Cal/80. Johnson & Johnson. Flocked foam coated, water vapor permeable, bacterial barrier.

24th November 1980

1305/Cal/80. Dr. C. Otto & Comp. GMBH. Air control arrangement for regeneratively heated coke ovens.

1306/Cal/80. Neotronics Limited. Apparatus for measuring the efficiency of combustion appliances. (November 23, 1979).

1307/Cal/80. J. Krings. Construction plate for a ditch construction device.

1308/Cal/80. Siemens Aktiengesellschaft. High voltage circuit breaker.

1309/Cal/80. Allware Agencies Limited. Improvements in and relating to box fans. [Divisional date May 15, 1978].

25th November 1980

1310/Cal/80. Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Electrolytic cells.

1311/Cal/80. Population Research Incorporated. Female sterilization.

1312/Cal/80. Toyo Engineering Corporation. High-temperature treatment of hydrocarbon-containing materials.

1313/Cal/80. Siemens Aktiengesellschaft. Electric cable fittings.

26th November 1980

1314/Cal/80. Montedison S. p.A. Solid formulations containing pheromones.

1315/Cal/80. Montedison S.p.A. Solid formulations containing pheromones.

1316/Cal/80. Metallgesellschaft A.G. Process of removing  $H^2S$ ,  $CO^2$ ,  $COS$  and mercaptans from gases by absorption.

1317/Cal/80. I. N. Kurapin, (2) V. P. Kucherenko, (3) M. M. Sobol, (4) V. I. Kryskov, (5) V. G. Sivash, (6) J. F. Piljukov (7) L. Z. Belenky and (8) L. A. Shikunova. Electric arc two-bath melting furnace.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIRD FLOOR, KAROL BAGH, NEW DELHI-5.

New Delhi, the 21st October 1980

765/Del/80. Ranbaxy Laboratories Limited., "Process for the Preparation of substituted benzophenones". [Divisional to 208/Del/78].

766/Del/80. Partap Steel Rolling Mills Private Limited, "Water cooled jacketed electric furnace shell".

767/Del/80. Union Carbide Corporation, "Low density compacts of prepared mix for use in the production of silicon and ferrosilicon".

768/Del/80. Allis-Chalmers Corporation, "Operation of associated crushing plant and mill".

22nd October 1980

769/Del/80. The Standard Oil Company, "Activation of redox catalysts".

23rd October 1980

770/Del/80. Manakkaden Manicath Anand Ram, "Improvement relating to or in tripod for lifting of lowering of loads".

771/Del/80. Unice Machine Company, "Continuous separation system".

24th October 1980

772/Del/80. Ashok Kumar & Vijay Kumar, "Improvements in and relating to solar water heaters".

773/Del/80. Council of Scientific and Industrial Research, "A digital set point proportional controller device".

25th October 1980

774/Del/80. Council of Scientific and Industrial Research, "A chemical process for demineralisation of coal and coke".

27th October 1980

775/Del/80. Bayer Aktiengesellschaft, "Polyazo Dyestuffs, A Process for their preparation and their use for dyeing vegetable fibre materials and leather".

28th October 1980

776/Del/80. Cement Research Institute of India, "A hydraulic cement & to a process for the manufacture thereof".

777/Del/80. The Chief Controller Research & Development, Ministry of Defence, New Delhi (India), "A

Process for the manufacture of tungsten based heavy allot".

778/Del/80. The Chief Controller Research & Development, Ministry of Defence, Government of India, New Delhi (India), "A Microprocessor subsystem".

779/Del/80. Council of Scientific & Industrial Research, "A device to provide teleconference facility to subscribers on their telephone exchange".

780/Del/80. Council of Scientific & Industrial Research, "Development of rust converting primer for protection of rusted steel structures".

781/Del/80. Council of Scientific & Industrial Research, "An improved process for activation of nickel electro-forms".

782/Del/80. Imperial Chemical Industries Limited, "Slurry Explosive Composition". (November 5, 1979).

783/Del/80. The Lucas Electrical Company Limited, "Improvements in or relating to angular position signal generators for using engine timing control system," (May 21, 1974, June 4, 1974, August 20, 1974, & October 8, 1974), [Divisional date May 19, 1975].

29th October 1980

784/Del/80. Ultimate Holdings S.A, "Apparatus for producing spark ignition of an internal combustion engine". (Nov. 7, 1979).

30th October 1980

785/Del/80. Indian Institute of Petroleum, Dehradun, "Catalyst for the isomerisation of alkyl aromatic compounds containing eight carbon atoms".

31st October 1980

786/Del/80. Uop Inc, "High temperature injection and vaporization system for gas chromatography".

787/Del/80. Imperial Chemical Industries Limited, "Substituted Indoline-2-One Derivatives". (Nov. 13, 1979, Aug. 13, 1980, & Sep. 15, 1980).

1st November 1980

788/Del/80. The Goodyear Tire & Rubber Company, "Energy Absorbing Device".

789/Del/80. Kintek, Inc, "Audio Signal Processing System".

790/Del/80. Rohm and Hass Company, "Process of Preparing Ion Exchange Resin". [Div. date Feb. 6, 1978].

3rd November 1980

791/Del/80. Rohm Gmbh, "Process for the softening of skins hides".

4th November 1980

792/Del/80. Societe Nationale D' Etude Et De Construction De Moteurs D' Aviation (S.N.E.C.M.A.). "Method for converting the response function of an circuit for carrying out said method, and control method and circuit applying the aforesaid method and circuit".

5th November 1980

793/Del/80. Bayer Aktiengesellschaft, "Process for the manufacture of 1:1 & 1:2 metal complex reactive dye-subjecting the resin to repeated extraction with ethyl acetate 1978].

794/Del/80. Produits Chimiques Ugine Kuhlmann, "Process for preparing 2-(or 4)-Amino-5-Alkylthio Pyrimidines Herbicides". [divl. date Aug 28th, 1978].

ALTERATION OF DATE

148273

844/Del/78

Ante-dated the 3rd July 1976.



directed towards the gasifier axis by the partial stream of cooling gas introduced through the nozzles.

Comp. Specn. 8 Pages.

Drg. 3 Sheets.

CLASS 55E<sub>2</sub> & E<sub>4</sub>.

148265.

Int. Cl.-A61k 27/14.

**A PROCESS FOR OBTAINING HYPOLIPADEMIC AND ANTIPLATELET AGGREGATION FRACTION FROM GUGGULRESIN.**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventors : NARINDER KUMAR KAPOOR, DR. SUKH DEV, AND DR. SWARN NITYA NAND.

Application No. 250/Del/78 filed April 6, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims. No drawings.

A process for obtaining hypolipademic and anti-platelet aggregation fraction from Guggul-resin which consists in subjecting the resin to repeated extraction with ethyl acetate and separating out the extract.

Comp. Specn. 4 Pages.

Drgs. Nil.

CLASS 32F<sub>2</sub> a & 55D<sub>2</sub>

148266.

Int. Cl.-C07c 143/00.

**A PROCESS FOR PREPARING 4-ALKYLTHIO-, 2-TRIFLUOROMETHYLALKANESULFONANILIDES.**

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, OF 3M CENTER, SAINT PAUL, MINNESOTA 55101, UNITED STATES OF AMERICA.

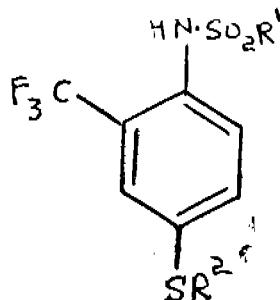
Inventors : SHARON LINDA RUFFING, WALLACE EMIL BURG AND EZZAT AYAD MIKHAIL.

Application No. 389/Cal/79 filed April 10, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A process for preparing a compound of the formula shown in the accompanying drawings.



wherein R<sup>1</sup> and R<sup>2</sup> are independently alkyl groups containing from 1 to 4 carbon atoms provided that R<sup>1</sup> and R<sup>2</sup> are not both methyl, which comprises the steps of—

- (1) reacting 2-aminobenzotrifluoride with hydrothio-cyanic acid or a salt thereof to form 4-thiocyanato-2-trifluoromethylaniline,
- (2) reacting that product with sodium sulfide and the appropriate alkyl halide, R<sup>3</sup>X, wherein X is chlorine or bromine and R<sup>3</sup> has the same meanings as defined above to form the corresponding 4-alkylthio-2-trifluoromethylaniline, and
- (3) reacting that product with an alkanesulfonyl chloride of the formula R<sup>4</sup>SO<sub>2</sub>Cl wherein R<sup>4</sup> has the same meaning as defined above to form the 4-alkylthio-2-trifluoromethylalkane-sulfonanilide.

Comp. Specn. 11 Pages.

Drg. 1 Sheet.

CLASS 32F<sub>2</sub> b & 55F<sub>2</sub> & E<sub>4</sub>.

148267.

Int. Cl.-C07d 7/46, 9/00.

**A PROCESS FOR PREPARING 4"-DEOXY"-SULFONYLAMINO-OLEANDOMICINS.**

Applicant : PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

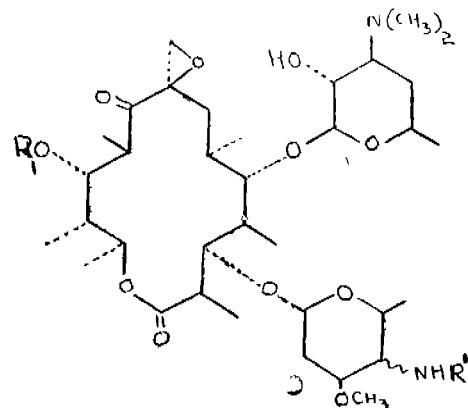
Inventor : ARTHUR ADAM NAGEL.

Application No. 291/Del/78 filed April 20, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

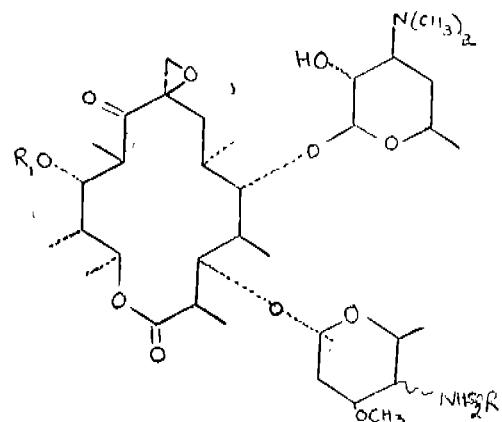
7 Claims.

A process for preparing a compound selected from the group having structure shown in formula I.



Formula I

and a pharmaceutically acceptable acid addition salt thereof, wherein R is alkyl of one to three carbon atoms; pyridyl; 1, 1, 1-trifluoroethyl; phenyl; monosubstituted phenyl wherein said substituent is fluoro, chloro, bromo, iodo, hydroxy, methoxy, cyano, carboxamido, nitro, amino, carbomethoxy, carbobenzoyloxy, carboxy, trifluoromethyl, alkyl of one to four carbon atoms or acetamido; disubstituted phenyl wherein said substituent is each cloro, nitro, amino, methoxy or methyl; trichlorophenyl; hydroxydichlorophenyl; benzyl; naphtyl; thiienyl; chlorothiienyl; 2-acetamido-5-thiazolyl; 2-acetamido-4-methyl-5-thiazolyl; 2-benzamidazolyl; dimethyl-2-pyrimidinyl; pyrrol; monosubstituted thiienyl; pyrrol or furyl wherein each substituent is carbomethoxy or alkyl of one to two carbon atoms; or 1-methyl-5-carbo-methoxy-3-pyrrol, and R<sub>1</sub> is hydrogen or alkanoyl of two to three carbon atoms, which comprises reacting a compound of the formula I'.



Formula I'

wherein R<sup>1</sup> is hydrogen with one mole each of a sulfonyl halide of the formula :

RSO<sub>2</sub>W

wherein W is a halide and an acid scavenger in a reaction-inert solvent at ambient temperatures, and if desired, converting the compound so obtained to a pharmaceutically

acceptable acid addition salt thereof by methods known per se.

Comp. Specn. 57 Pages.

Drg. 7 Sheets.

CLASS 127-I.

148268.

Int. Cl.-F15b 15/00.

**AN ACTUATOR.**

Applicant & Inventor : MRS. PARAMITA BASU, OF ACTUATORS (IND), 16, PRINCEP STREET, CALCUTTA-13, STATE OF WEST BENGAL, INDIA.

Application No. 498/Cal/78 filed May 8, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**4 Claims.**

An actuator comprising an outer housing enclosing a pusher pipe adapted to slide in and out of the said housing, a threaded spindle spacedly disposed within the pusher pipe, a drive nut mounted on the said spindle, said threaded spindle being rotated by a motor, first means for causing the said pusher to travel axially and second means for causing the said pusher pipe to operate a pair of limit switches, one said switch being operated when the pusher pipe meets with a resistance, the other switch being operated when the pusher pipe is extended outwardly beyond a predetermined or desired limit characterised by that the first and second means for causing the pusher pipe to travel and operate the switches comprise:

- (a) a socket end of the pusher pipe at the inner end of said pipe, and a flange on the push pipe;
- (b) a boss of the drive nut engaging said socketed end of the pusher pipe, and a flange on the said nut;
- (c) a tie rod engagging the flange of the pusher pipe and the flange of the nut;
- (d) a coiled spring on the tie rod between the flange of the pusher rod and the flange of the nut;
- (e) a striker on the said tie rod;
- (f) a pair of limit switches, one on either side of the tie rod; and
- (g) a coiled spring on the tie rod beyond the flange of the nut.

Comp. Specn. 7 Pages.

Drg. 1 Sheet.

CLASS 63J.

148269.

Int. Cl.-H02n 4/02.

**HYDROGENERATOR.**

Applicant & Inventor : (1) FELIX MOISEEVICH DETINKO, PROSPEKT M. TOREZA, 104, KORPUS 3, KV. 23, LENINGRAD, USSR, (2) ALEKANDR ANTONOVICH DUKSHTAU, ULITSA BASSEINAYA, 111, KORPUS 3, KV. 34 LENINGRAD, USSR AND GRIGORY BORISOVICH PINSKY, ULITSA VARSHAVSKAYA, 41, KORPUS 2, KV. 68 LENINGRAD, USSR.

Application No. 512/Cal/78 filed May 12, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

**3 Claims.**

A hydrogenerator comprising a rotor with poles and a stator formed as a ring consisting of separate sectors secured to each other, the angle of every stator sector being of such a value that the product of that value and the number of rotor pole pairs is a multiple of II.

Comp. Specn. 5 Pages.

Drg. 1 Sheet.

CLASS 98-I.

148270.

Int. Cl.-F24j 3/02.

**A SOLAR ENERGY COLLECTOR.**

Applicant : MESSERSCHMITT-BOLKOW-BLOHM GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF 8000 MUNCHEN, GERMAN FEDERAL REPUBLIC.

Inventors : VEIT MERGES AND BERNHARD MAYER.

Application No. 395/Del/78 filed May 25, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

**7 Claims.**

A solar energy collector constructed as a flat unit and having a solar heat absorbing means through which a heat carrying medium flows, at least one cover plate, a base plate and a heat insulating layer provided between the solar heat absorbing means and base plate in which the collector comprises a self supporting frame provided with lateral connections, with pivotable supporting elements distributed in a grid-like manner between the cover plate and the base plate, the base plate being formed as a membrane, an elastic seal being provided between the frame and cover plate or base plate and the frame having connections for the heat carrier and for a evacuation means.

Comp. Specn. 10 Pages.

Drg. 1 Sheet.

CLASS 15D.

148271.

Int. Cl.-F16c 13/00, 27/00.

**IMPROVEMENTS IN OR RELATED TO BEARINGS.**

Applicant : SOCIETE DE PARIS ET DU RHONE, OF 36, AVENUE JEAN-MERMOZ, LYON SEME, RHONE, FRANCE.

Inventor : MAZZORANA.

Application No. 408/Del/78 filed June 2, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

**7 Claims.**

A bell-shaped type swaged sheet metal bearing in the form of a container the section transversal which is evidently rectangular or square with a central duct bordered by a cylindrical skirt intended to be supported by at least two assembly tie rods on a shoulder of a rotor magnetic circuit the said central duct being intended to take a bearing bushing, and zones provided for the passage and support of the assembly tie rods in at least one swaged rib thereon, which rib connects said zones without loss of continuity and extends up to the cylindrical skirt so as to form at least one box girder.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

CLASS 126C.

148272.

Int. Cl.-G01r 1/00, 5/00.

**IMPROVEMENTS IN OR RELATING TO MOVING COIL ELECTRICAL INDICATING INSTRUMENTS.**

Applicant : THE GENERAL ELECTRIC COMPANY LIMITED, OF 1 STANHOPE GATE, LONDON W1A 1EH ENGLAND.

Inventors : ALAN GEOFFREY BURGES AND KENNETH SUTTON.

Application No. 452/Del/78 filed June 19, 1978.

Convention date June 23, 1977/(26354/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

**8 Claims.**

A moving coil electrical indicating instrument including a magnetic circuit comprising : a permanent magnet, a core, an annular pole piece and a frame, which cooperate to produce a radial magnetic field extending across a substantially annular gap between the core and the pole piece, in which gap the coil is arranged to move, wherein the core is positioned in the

pole piece to form the substantially annular gap; the frame is positioned in an aperture in the pole piece; and the magnet is positioned between the core and the pole piece in an aperture through the frame, the magnet abutting both the core and the pole piece; and a stressed resilient member is provided, the reaction of which urges the frame in one direction into contact with a side of the pole piece aperture and urges the magnet, through its contact with the core, in the opposite direction into contact with another side of the pole piece aperture, thereby maintaining the core, pole piece, magnet and frame in their desired positions relative to each other.

Comp. Specn. 9 Pages.

Drg. 2 Sheets.

CLASS 39M.

148273.

Int. Cl.-C01b 25/26.

**IMPROVED PROCESS FOR THE PRODUCTION OF ZINC PHOSPHATE USING ZINC CARBONATE.**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventors HANADY VENKATAKRISHNA UDUPA, KAPISTHALAM CHETLUR NARASIMHAM, SUBBIAH NADAR GURUVIAH, VENKATASUBRAMANIAN CHANDRASEKARAN, AND MRS. PADMANABA SANKARA-NARAYANA GOMATHI.

Application No. 844/Del/78 filed November 24, 1978.

Division of Application No. 1179/Cal/76 filed July 3, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims—No drawings.

An improved process for the production of zinc phosphate by interaction of zinc carbonate and orthophosphoric acid characterised in that the double-decomposition reaction is carried out by reacting 15-25% slurry of zinc carbonate with water and stoichiometric amount of orthophosphoric acid diluted from 1 : 1 to 1 : 7 at a temperature range of 30 to 60°C with stirring and isolating the solid zinc phosphate formed.

Comp. Specn. 6 Pages.

Drgs. Nil.

**PRINTED SPECIFICATION PUBLISHED**

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

142237 142238 142239 142240 142241 142242 142243 142244  
142245 142246 142247 142248 142249 142250 142251 142252  
142253 142254 142257 142258 142259 142260 142261 142262  
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142297 142298 142299 142300

**PATENTS SEALED**

146617 146625 146830 146922 147099 147125 147129 147135  
147138 147148 147166 147182 147190 147196 147199 147206  
147207 147208 147214 147216 147233 147262 147265 147269

**CHEMICAL LIST NO. II**

**Commercial Working of Patented Inventions**

The following Patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the Statement filed by them under Section 146(2) of Patents Act, 1970, in respect of Calendar year 1979 generally on account of want of requests for licences to work the patented inventions.

Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purpose.

S. No.	Patent No.	Date of Patent	Name and address of Patentees	Title of Inventions		
					1	2
					3	4
1	127824	31-07-1970	BRITISH TITAN LIMITED, Billingham Teeside, England.	Removal of iron from iron containing titaniferous material.		
2	127869	04-08-1970	HOECHST AG, 45, Brunigstrasse, Frankfurt/ Main F.R.G.	Preparation of Water-insoluble mono-zo dyestuffs.		
3	127872	04-08-1970	PREROVSKÉ STROJIRNY NP, Prerov, Czechoslovakia.	Heat treatment of lump and finely granulated materials.		
4	127960	10-08-1970	GOULD INC., E-1200 First National Bank Building, St. Paul, Minnesota, U.S.A.	Method for casting battery plates.		
5	127973	11-08-1970	UNION CARBIDE CORPORATION, 270 Park Avenue, New York, State of New York, U.S.A.	Cryogenic air separation process.		
6	127981	11-08-1970	ISHIHARA SANGYO KAISHA LIMITED, No. 1-11, Edobori 1-Chome, Nishi-ku, Osaka, Japan.	Preparing Titanium dioxide concentrate.		
7	127983	11-08-1970	ROSTERO S.A. 12 AV, Industrielle, Geneva- Acacias, Switzerland.	Casting of resin sheets from polymerizable flowable material.		
8	128017	13-08-1970	UOP INC., Ten UOP Plaza-Algonquin and Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Solvent extraction of coal.		
9	128082	19-08-1970	ANACONDA COMPANY, 25, Broadway, New York, State of New York, U.S.A.	Vulcanizing polymerizing covering on electric cables.		
10	128088	19-08-1970	FARBWERKE HOECHST AKTIENGESELL- SCHAFIT, 45, Brunigstrasse, Frankfurt <sup>1</sup> Main, F.R.G.	Process for polymerising $\alpha$ -olefins.		

1	2	3	4	5
11	128182	26-08-1970	HOECHST A.G. 45, Bruningstrasse, Frankfurt/ Main, F.R.G.	Water soluble monoazo dyestuffs.
12	128193	26-08-1970	BENSON, FIELD AND EPES, 640, Spruce Lane, Berwyn, Commonwealth of Pennsylvania, U.S.A.	Separation of CO <sub>2</sub> and H <sub>2</sub> S from gas mixtures.
13	128253	01-09-1970	UNION CARBIDE CORPORATION, 270, Park Avenue, New York, U.S.A.	Process for maxing metal additions to molten aluminium bath for maxing alloys.
14	128278	02-09-1970	SNAMPROGETTI S.P.A., 16, Corso Venezia, Milan, Italy.	Production of ethylene oxide.
15	128337	08-09-1970	BENSON FIELD AND EPES, 640, Spruce Lane, Berwyn, U.S.A.	Removal of CO <sub>2</sub> and H <sub>2</sub> S from gas mixture.
16	128385	11-09-1970	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., Carel van Bylandtlaan 30, The Hague, The Netherlands.	Hydrogenarative cracking of carbonaceous material.
17	128386	11-09-1970	TEDECO TEXTILE DEVELOPMENT Co., St. Clave, 21 B, Oslo 1, Norway.	Treatment of fabrics with liquid ammonia.
18	128442	18-09-1969	N. V. PHILIPS GLOELLAMPENFABRIEKEN, Emmasingel, Eindhoven, Netherlands.	Magnetic cores consisting of manganese-zinc-magnesium-copper ferrites and method of manufacturing the same.
19	128449	16-09-1970	UZIMA CHIMICA CARBOSIN, Copsa mica, Str. Vzinelor nG2, Rumania.	Preparing ornamental plates of methyl polymethacrylate or copolymer.
20	128566	23-09-1970	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., Carel Van Bylandtlaan, 30, The Hague, The Netherlands.	Removal of solid particles from an aqueous suspension.
21	128683	03-10-1970	GOULD INC., E-1200, First National Bank Bldg., St. Pase, Mirnesota, U.S.A.	Casting battery plate connecting tags on to a connecting strap and the articles so produced.
22	128753	12-10-1970	UOP INC., Ten UOP Plaza-Algonquin and Mt. Prospect Roads, Des Plains, U.S.A.	Ortho alkylation of p-alkoxy-phenols.
23	128799	13-10-1970	HOECHST A. G., 45-Bruningstrasse Frankfurt, F.R.G.	Water soluble anthraquinone dyestuffs.
24	128907	20-10-1970	SNAMPROGETTI S.P.A., 16-Corso Venezia, Milan, Italy.	Production of Urea.
25	128957	23-10-1970	GLAVERBEL MECANIVER, 166, Chaussex de la Hulpe, Watermaelboitsfort, Belgium.	Forming a refractory mass by spraying.
26	128992	26-10-1970	HINDUSTAN LEVER LIMITED, Hindustan Lever House, 165/166, Backbay Re-clamation, Bombay-400 020.	Personal washing tablets.
27	129044	30-06-1971	ENGELHARD MINERALS AND CHEMICALS CORPORATION, 113. Astor Street, Newark New Jersey, U.S.A.	Process for ammonia oxidation.
28.	129079	02-11-1970	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, III Floor, CSIR Complex, NPL campus, Library Road, Posa, New Delhi-110 012.	Preparation of powdered iron.
29.	129095	03-11-1970	HOECHST A.G. 45, Bruningstrasse, Frankfurt, F. R. G.	Water soluble reactive xanthenium dyestuds.
30	129114	04-11-1970	UOP INC., Ten UOP Plaza-Algonquin and Mt. Prospect Roads, Illinois, U.S.A.	Heat transfer tubing for boiling liquids.
31	129123	06-11-1970	Do.	Regeneration of coke deactivated catalyst containing platinum and Rhodium.
32	129263	17-11-1970	SNAMPROGETTI S.P.A., 16, Corso Venezia, Milan, Italy.	Treating effluent gases in ammonia synthesis process.
33	129267	17-11-1970	NIPPON KOKAN KABUSHIKI KAISHA, 1-3, 1-Chome, Otemachi, Chiyoda-ku, Tokyo, Japan.	Coating of steel sheets.
34	129304	19-11-1970	HOECHST A.G., 45, Bruningstrasse, Frankfurt, F.R.G.	Preparation of amino-pnenyl alkyl ethers.

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35	129322	20-11-1970	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Process for quenching effluent gases., unstable byrolysis
36	129331	20-11-1970	TEXACO DEVELOPMENT CORPN., 135, East 42 nd street, New York-U.S.A.	Production of reducing gases.
37	129347	23-11-1970	HINDUSTAN LEVER LIMITED, Hindustan Lever House, 165/166, Backbay Reclamation Bombay-20.	Making fatty acid mono-diglycerides.
38	129349	28-07-1971	Do.	Preparing a catalyst.
39.	129375	24-11-1970	UDDEHOLMS AKTIEBOLAG, 68305, Haga-fors, Sweden.	Device for accelerating the solidification of the drops in the manufacture of powder from a molten material and producing powder by atomising molten material.
40	129400	26-11-1970	BICC LIMITED, 21, Bloomsbury Street, London, WC1B ZQN, England.	Processing of wires.
41	129415	27-11-1970	UOP INC., Ten UOP Plaza-Algonquin and Mt. Prospect Roads, Illinois, U.S.A.	Regenerating a deactivated hydrocarbon conversion catalyst.
42	129438	30-11-1970	Do.	Production of para-xylene and gasoline.
43	129493	04-12-1970	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Production of a silica-titania catalyst suitable for use in liquid phase epoxidation of olefins with organic hydroperoxides.
44	129495	04-12-1970	THE FIRESTONE TIRE AND RUBBER COMPANY, 1200, Firestone Parkway, Akron, State of Ohio, U.S.A.	Processing apparatus for flowable material.
45	129497	04-12-1970	NIPPON KOKAN KABUSHIKI KAISHA, J-3, 1-Chome, Otemachi, Tokyo, Japan.	Manufacture of tinned plates having little tendency to smudge.
46	129518	05-12-1970	SULZER BROTHERS LIMITED, C-4, 8401, Winterthur, Switzerland.	Ammonia synthesis process and plant.
47	129529	07-12-1970	EMHART INDUSTRIES, INC, 426, Colt Highway, Formington, Connecticut, U.S.A.	Molten glass gob distribution system.
48	129541	09-12-1970	UNION CARBIDE CORPORATION, 270 Park Avenue, New York, U.S.A.	Annealing tower.
49	12956	11-12-1970	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Epoxidising olefins with hydroperoxides to produce oxirone compounds.
50	129569	11-12-1970	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Production of substantially sulphur-free gas stream and hydrogen sulphide-rich gas stream from clause-off gasees.
51	129618	16-12-1970	CASTROL LIMITED, Burman-Castrol House, Marylebone Road, London, NW-1, England.	Hydraulic fluid comprising synthetic orthoester and a process therefor.
52	129619	16-12-1970	RHONE-POULENC INDUSTRIES, 22, Avenue Montaigne, Paris, 8eme, France.	Manufacture of rhombohedral anhydrous calcium sulphate II
53	129640	17-12-1970	UOP INC., Ten UOP Plaza-Algonquin and Mt. Prospect Roads, Illinois, U.S.A.	High octane gasoline production.
54	129643	17-12-1980	HOECHST A.G., 45, Bruningstrasse, Frankfurt/ Main, F.R.G.	Manufacture of water-soluble monoazo dyestuffs.
55	129644	17-12-1970	KAWASAKI STEEL CORP. 1, 1-Chome, Kitacho-Dori, Fukuiaiku, Kobe city, Japan.	Forming electric insulating coating on the surface of silicon steel sheets.
56	129712	23-12-1970	WESTINGHOUSE ELECTRIC CORPORATION, Pittsburgh, Pennsylvania, U.S.A.	Coating europium activated strontium chlorophosphate phosphor onto a lamp envelop.
57	129757	28-12-1970	MATSUSHITA ELECTRIC INDUSTRIAL Co. LTD., 1006, Oaza Kadama, Kodomashi, Osaka, Japan.	Producing manganese dioxide electrolytically.
58	129769	29-12-1970	UOP INC., Ten UOP Plaza-algonquin, and Mt. Prospect Roads, Illinois, U.S.A. Do.	Selected aromatic hydrocarbon.
59	129831	04-01-1971	AMERICAN CYANAMID CO., Wyne, New Jersey, U.S.A.	C <sub>8</sub> -alkylaromatic isomerization process.
60	129833	04-01-1971	AMERICAN CYANAMID CO., Wyne, New Jersey, U.S.A.	Medicament dispenser.

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61	129834	04-01-1971	THE LUBRIZOL CORPORATION, Cleveland Ohio, U.S.A.	Preparation of amidoalkane sulfonic acid.
62	129854	06-01-1971	HINDUSTAN LEVER LIMITED, Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-400 020.	Instant Tea powder.
63	129855	06-01-1971	Do.	Extraction of tea and preparation of instant tea powder from the extract.
64	129856	06-01-1971	JOHNSON JO HNSON, 501, George Street, New Brunswick, New Jersey, U.S.A.	Conformable adhesive sheets.
65	129936	14-01-1971	NIPPON KOKAN KABUSHIKI KAISHA, 1-3, 1-Chome Otemachi, Chiyoda-ku, Tokyo, Japan.	Continuously manufacturing cold rolled steel sheet for drawing.
66	129961	15-01-1971	mitsubishi gas chemical company INC., 5-2, Marunouc hi-2-Chome, Chiyoda-ku Tokyo, Japan.	Formaldehyde aqueous solution having low methanol content.
67	130072	27-01-1971	THE LUBRIZOL CORPORATION, Cleveland Ohio, 44117, U.S.A.	High molecular weight malic and fumaric acid esters and lubricants and fuels containing the same.
68	130088	28-01-1971	SOLVAY AND CIE, 33, Rue du Prince Albert, B-1050, Brussels 5, Belgium.	Zeigler-natta type catalyst.
69	130095	28-1-1971	UBE INDUSTRIES LIMITED, 12-31, 1-Chome, Nishiommachi, uke-Shi, Yamaguchi-ken, Japan.	Removing impurities from solid granules.
70	130125	1-2-1971	HOOKER CHEMICAL CORPORATION, Niagara Falls, New York, U.S.A.	Generation of chlorine dioxide chlorine and the production of alkali metal.
71	130141	2-2-1971	NIPPON KOKAN KABUSHIKI KAISHA, 1-3, 1-Chome, Otemachi, Chiyoda-ku Tokyo, Japan.	Method of blowing such fluid as reducing gas into a furnace and boring apparatus for use therein.
72	130178	4-2-1971	HINDUSTAN LEVER LIMITED, Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-400020.	Treatment of karanja Oil.
73	130181	4-2-1971	GREAT SALT LAKE MINERALS & CHEM. CORPN, P. O. Box 1190, Ogdew, Utah 84402, U.S.A.	Anhydrous potassium magnesium sulfate material with low hygroscopicity form hydrated potassium magnesium sulfate material.
74	130238	11-2-1971	HINDUSTAN LEVER LTD., Hindustan Lever House, 165/166 Beckbay Reclamation, Bombay-400 020.	Anti-stague and anti-calculus dentifrice.
75	130270	15-2-1971	SNAMPROGETTI S.P.A., 16 Corso Venezia, Milan, Italy.	Separation of a partially hydrogenated polyamide of aluminium.
76	130282	16-2-1971	HOECHST AG., 45 Bruningstrasse, Frankfurt/Main FRG.	Preparing water-soluble monoazo dyestuffs.
77	130287	16-2-1971	E. J. DU PONT DE NEMOURS & Co., Wilmington, Delaware, U.S.A.	Water-in-oil emulsion type blasting.
78	130367	25-2-1971	HOECHST A.G., 45 Bruningstrasse, Frankfurt/main F.R.G.	Metal complex compounds of the monoazo dyestuffs and process for their preparations.
79	130371	25-2-1971	DEGUSSA, Weissfranenstrasse Frankfurt (Main) FRG.	Calcium thioclate.
80	130373	25-2-1971	DR. SHYAM SUNDAR GHOSE, Belpahar Refractories Ltd., P. O. Belpahar, S.E. Rly, Orissa, INDIA.	Magenesite bricks.
81	130379	25-2-1971	F. L. SMIDTH & CO. A/S 77 Vigersler Allc, DK-2500 Copenhagen Valby, Denmark.	Treatment of cement raw materials and plants for use therein.
82	130416	1-3-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. Carval Van Bylan dt laan 30, The Hague, The Netherlands.	Selective and removal of hydrogen sulphide from gases containing hydrogen sulphide and carbon dioxide.
83	130489	5-3-1971	HOECHST A. G., 45, Bruningstrasse, Frankfurt/Fain FRG.	Water soluble monoazo dyestuffs.
84	130553	16-3-1971	UNION CARBIDE CORPORATION, 270 Park Avenue, New York, State of York, U.S.A.	Liquid-gas contacting tray.
85	130590	16-3-1971	HOECHST AG., 45, Bruningstrasse, Frankfurt/Main FRG.	Water insoluble yellow monoazo dyestuffs.

1	2	3	4	5
86	130631	18-3-1971	(1) METALLGESELLSCHAFT AG, 10f 6 Frankfurt am Main Reuter weg 14, West Germany. (2) VEREINIGTE ALUMINIUM WERKE AG., 2 of 53, Bonn aerichtsweg 48, West Germany.	Process of removing hydrogen fluoride.
87	130690	23-3-1971	HOECHST AG., 45 Bruningstrasse, Frankfurt/ Main FRG.	Metal containing azo dyestuffs.
88	130719	25-3-1971	UOP INC, No. 30, Algonquin Road, Des Plaines, State of Illinois, U.S.A.	Reconditioning reforming catalyst.
89	130775	29-3-1971	SHIN-ETSU CHEMICAL CO. LTD., 4-2, Marunouchi 1-Chome, Chiyoda-ku, Tokyo, Japan.	Suspension-polymerizing vinyl chloride.
90	130799	30-3-1971	UBE INDUSTRIES LIMITED, 12-32, 1-Chome, Nishihoimmachi, Ukeshi, Yamaguchi-ken, Japan.	Treatment of a reaction product obtained by oxidation of cyclohexane.
91	130800	30-3-1971	SNAMPROGETTI S.P.A. 16 Corse Venezia, Milan, Italy.	Production of Urea.
92	130801	30-3-1971	Do.	Do.
93	130811	1-4-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Polymerization of Olefins.
94	130829	13-4-1971	JOHN HEATHCOAT & CO. LTD., Tiverton, Devon, England.	Producing bulked yarns.
95	130841	5-4-1971	HINDUSTAN LEVER LIMITED, Hindustan House, 165/166 Backbay Reclamation, Bombay- 400 020.	Built laundry soap containing dispropor- tionated resins.
96	130891	7-4-1971	UOP INC, No. 30 Algonquin Road, Des Plaines, State of Illinois, U.S.A.	Lubricating oil base stock production.
97	130903	8-4-1971	ROHM & HAAS COMPANY, Independence Mall West Philadelphia, Pennsylvania, 19105, U.S.A.	Modified vinyl halide polymers.
98	130928	12-4-1971	HOECHST AG., 45, Bruningstrasse, Frankfurt/ Main FRG.	New day light fluorescent pigments and process for their preparation.
99	130948	13-4-1971	KENNEDY VAN SAUN CORPORATION, Beavay Street, Danville, State of Pennsylvania, U.S.A.	Process and apparatus for preheating limestone and the like.
100	131046	20-4-1971	SHIN-ETSU CHEMICAL CO. LTD., 4-2, Marunouchi, 1-Chome, Chiyoda-ka, Tokyo, JAPAN.	Process for preparing polyvinyl chloride by suspension polymerization.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No. & Title of the invention

140691 (25-02-75) Process for preparing flavoured alcoholic beverage from toddy yielding plants.  
140716 (29-05-74) Process for polymerising  $\alpha$ -olefins.  
140798 (10-02-75) A process for the preparation of diaza-cyclopropane.  
140826 (28-08-74) Process for the preparation of quinoline derivatives.  
140835 (05-02-75) Process for preparing new water soluble imidazole derivative.  
140842 (10-07-75) Process for the preparation of N-(carbamoyl-oxy-phenyl) carbamates.  
140854 (28-11-73) A process for producing a novel thermosetting resin.

140858 (11-06-74) Process for the preparation of azapurinone derivatives.

140862 (05-08-74) Process for the preparation of derivatives of quenoline-8-carboxylic acids having a pesticidal action.

140874 (01-08-73) Process for preparing perinone dyestuff.

140891 (06-11-74) Process for producing N-phosphono-methyl glycine triester.

140905 (20-05-75) Process for the preparation of novel phenoxybenzylester of spirocarboxylic acids.

RENEWAL FEES PAID

102819 103020 103052 103059 103503 103564 108155 108222  
109119 113822 117315 118591 118741 118833 118858 118912  
118946 119006 119023 119048 119651 124415 124458 124558  
124560 124585 124588 124827 124964 125209 129443 129586  
129587 129648 129675 129782 133734 133769 133819 133840  
133841 133879 133940 133956 133973 134016 134041 134107  
134147 134151 134152 134278 134441 134538 135620 136129  
136443 136508 136782 136783 136802 136838 137054 137265  
137479 138496 138550 138862 138883 138884 138885 139529

139556 139647 139790 139812 140019 140029 140203 140379  
 140453 140659 140738 140758 140978 140988 141041 141183  
 141329 141440 141488 141738 141970 142170 142352 142653  
 143371 143448 143457 143486 143498 143642 143644 143645  
 143646 143739 143823 143918 144300 144631 144632 144675  
 145385 145524 145613 146251 146258 146325 146386 146403  
 146415 146562 146640 146643 146768 146812 146813 147065  
 147112.

### RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 113284 dated the 22nd November, 1967 made by Pechiney Compagnie De Produits Chimiques Et Electro-metallurgiques, on the 18th October, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 29th March, 1980 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 123868 dated the 4th November, 1969 made by Solvay & Cie on the 3rd November, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 29th March, 1980 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 141960 dated the 10th February, 1975 made by David Sciaky on the 3rd December, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 10th May, 1980 has been allowed and the said patent restored.

(4)

Notice is hereby given that an application for restoration of Patent No. 142224 dated the 11th October, 1974 made by Prakash Singh on the 17th April, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 26th April, 1980 has been allowed and the said patent restored.

### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 149343. Lights & Components of 110, Reay Road, Mankeshwar Building, Bombay-400033, Maharashtra, an Indian Partnership Firm. "Terminal Bar". March 5, 1980.

Class 1. No. 149813. Nelson Type Foundry Private Limited of 34 Sami Pillai Street, Choolai, Madras-600007, Tamilnadu, Indian Private Limited Company. "Tamil Type Founts". August 19, 1980.

Class 3. No. 149467. Shri Mahila Griha Udyog Lijjat Papad of Shankar Bari Lane, Jagannath Shankar Street, Bombay-400002, Maharashtra, India, a Charitable Trust. "Match Box". April 18, 1980.

Class 3. No. 149500. David Sushil Pillai of L-18 Rajouri Garden, New Delhi-110027, India, an Indian National. "Cooling cabinet". April 29, 1980.

Class 6. No. 149558. Ray-Lito Industries, sole proprietary concern of 3-E, 11/12 Majithia Nagar, Swami Vivekanand Road, Kandivli (West), Bombay-400067 in the state of Maharashtra within the Union of India. "Cases for spectacles, goggles and the like items". May 23, 1980.

Class 8. No. 149624. Pande, Cameron & Co. of New York, 200, Lexington Avenue, New York 10016, U.S.A. "Carpets". June 20, 1980.

Class 8. No. 149625. Pande, Cameron & Co. of New York, 200, Lexington Avenue, New York 10016, U.S.A. "Carpets". June 20, 1980.

Class 8. No. 149626. Pande, Cameron & Co. of New York, 200, Lexington Avenue, New York 10016, U.S.A. "Carpets". June 20, 1980.

Class 8. No. 149627. Pande, Cameron & Co. of New York, 200, Lexington Avenue, New York 10016, U.S.A. "Carpets". June 20, 1980.

Class 8. No. 149628. Pande, Cameron & Co. of New York, 200, Lexington Avenue, New York 10016, U.S.A. "Carpets". June 20, 1980.

S. VEDARAMAN,  
 Controller-General of Patents, Designs  
 and Trade Marks.

